

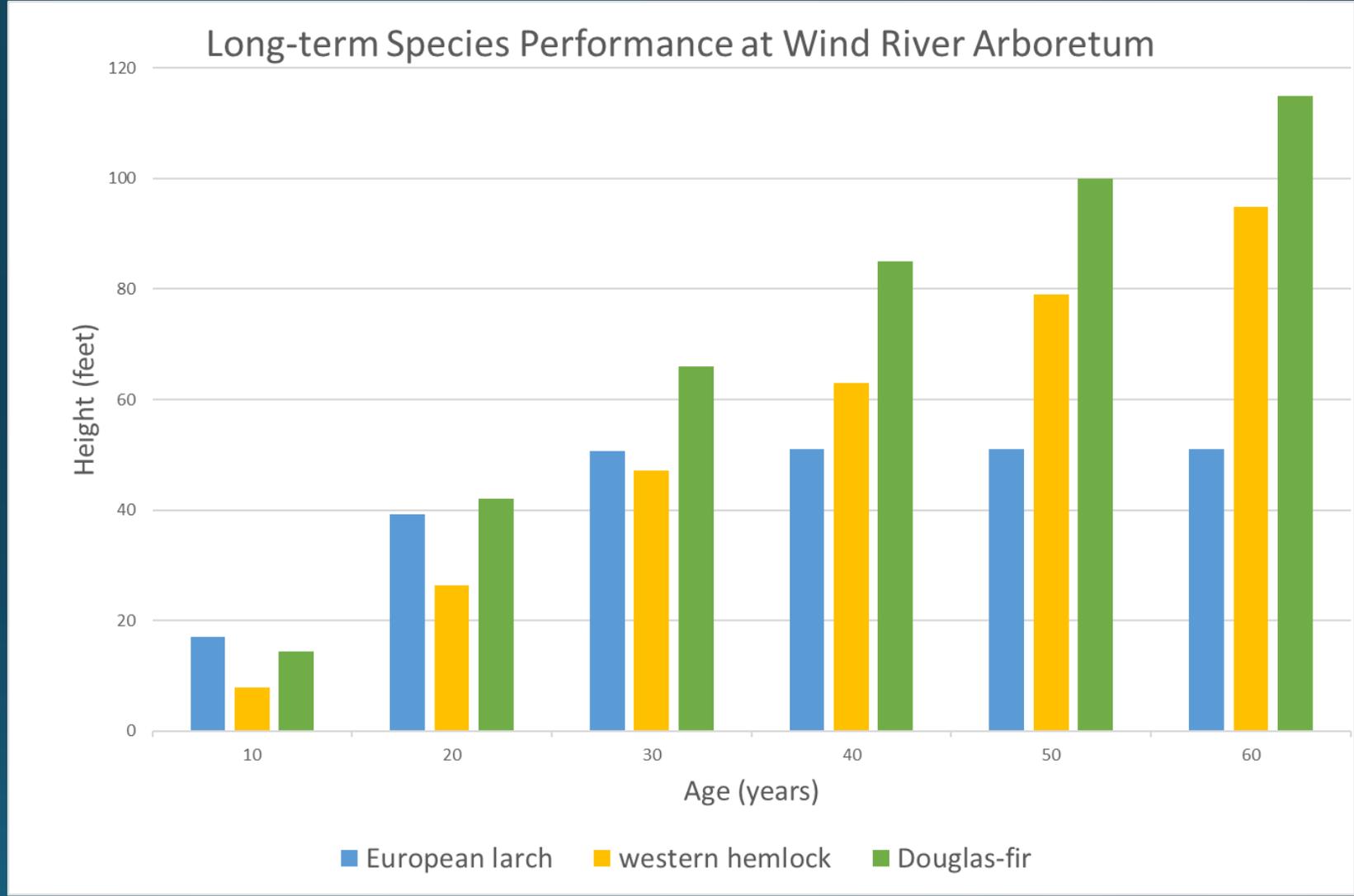
# The PNW Seed Source Project

Jeff DeBell

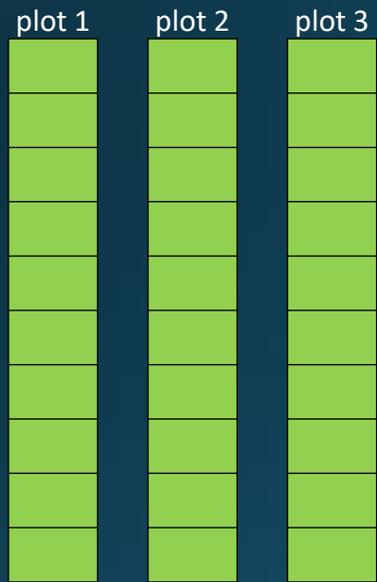
Northwest Reforestation Workshop

May 23, 2023





# Site Design – about an acre

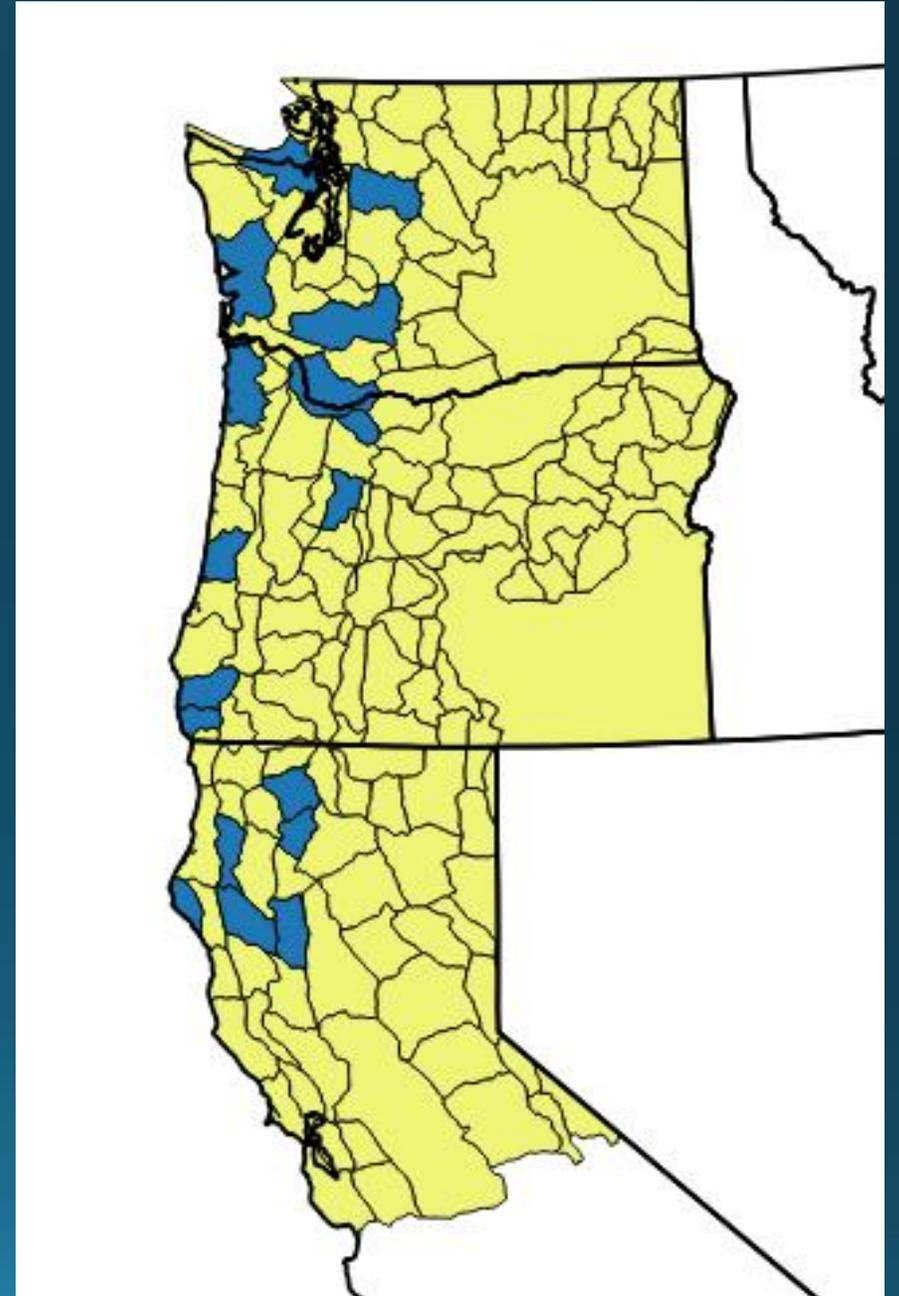


- **23 seed sources** (18 woods-collected, 5 DNR orchard lots)
- **10-tree row plots** (start with 20 trees, then thin to 10)
- **Rectangular spacing** – rows are 20 feet apart  
trees within rows are 10 feet apart

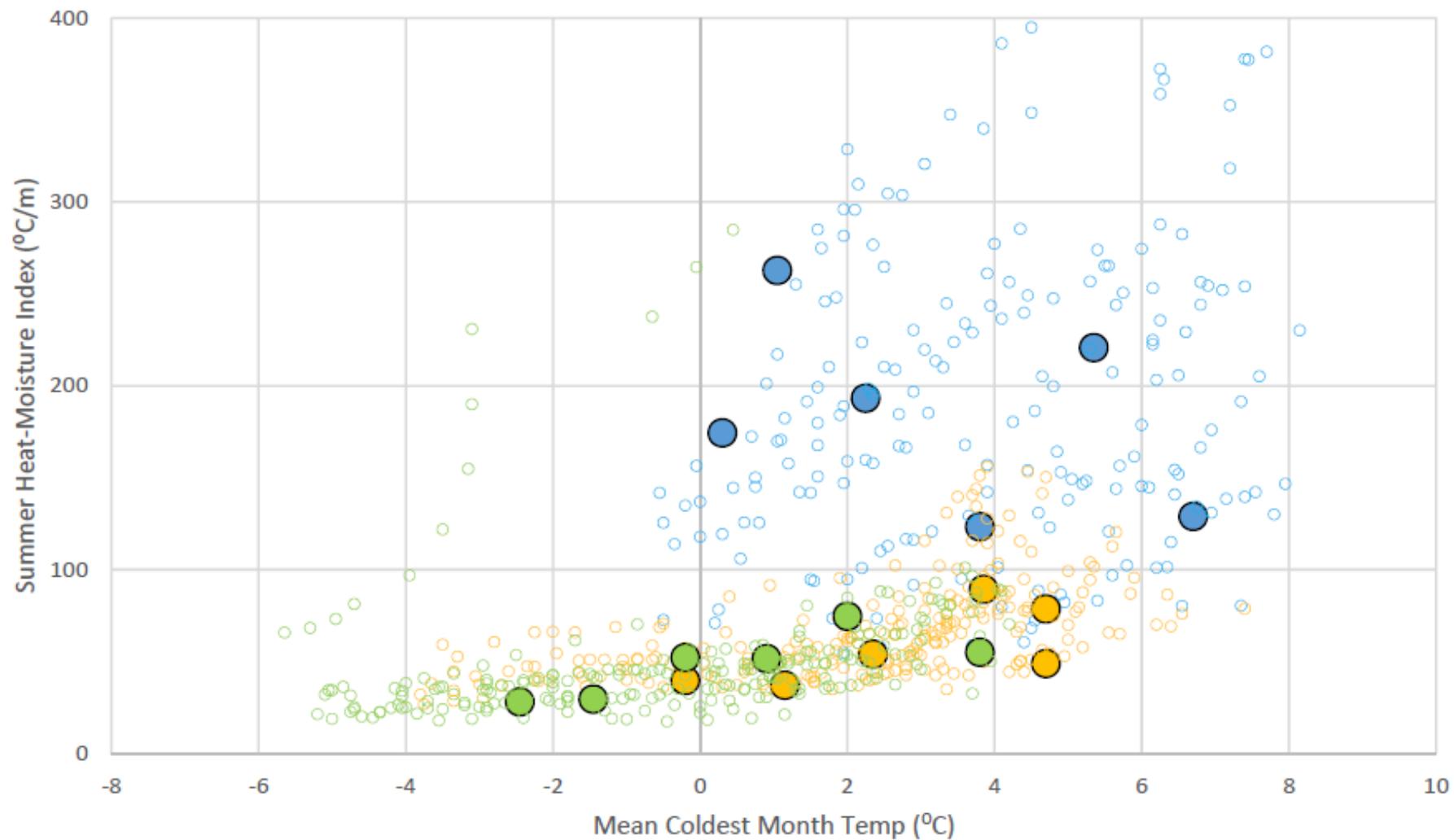
**Goal: 50 or more sites**

# Seed sources in trial

- 6 woods-collected seedlots from each state
- Additional 5 orchard lots representing Washington DNR status quo seed sources



### Climatic Origin of Seed Sources



● CA seedlots   ● CA Zones   ● OR Seedlots   ● OR Zones   ● WA Seedlots   ● WA Seed Zones

# Data Collection & Analysis

- Data collection app for site establishment, loan tablets
- DNR will manage & store the data in Oracle DB
- The first year will be a learning year; we'll make adjustments over time

The screenshot displays the 'DNR Data Recorder' app interface on a tablet. The top status bar shows the time as 8:13 and various system icons. The app header includes a globe icon, the title 'DNR Data Recorder', and navigation icons. The main form is titled 'Site' and contains several sections:

- Site:** A text input field with the instruction: "Record any tips that will be helpful for accessing the site in the future e.g. 'Come in from the south on the C-line and turn on the C-3000 road. Park at the locked gate (not required).'"
- Site Map Photo:** A section with the instruction: "Take a photo of a paper sketch (or screenshot) of the site setup. Label the plots and show how they are orientated. Show important roads and the harvest unit boundary (not required)." Below this is a blue button labeled "[image/jpeg]" with a camera icon.
- Capture GPS Point:** A section with the instruction: "Stand at the start of Plot 1 and capture the location with the tablet's GPS." Below this is a text input field containing the coordinates "(47.013, -122.885)".
- Plot Direction:** A section with a label "Sketch Photo:" and a text input field containing "(attachment)". To the right of the field are a close button (X) and a checkmark button.

At the bottom of the screen, there are two buttons: "Attach..." and "View Image...". A vertical sidebar on the right side of the screen contains a green status indicator (four green dots) and a menu icon (three vertical dots).

# Logistics

## DNR will provide the following:

- Seedlings for the test
- Directions for layout and monumentation
- Annual reminders for scheduled work
- An easy portal for sending in data
- Regular reporting of results to partners

## Partners will need to:

- Plant the trees according to the design
- Maintain the plots
- Measure the trees and submit data



# Contact info:

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